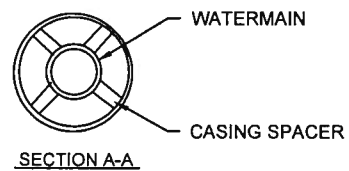


NOTES:

1. APPROVED END SEAL WRAP REQUIRED.
2. APPROVED PIPE LINE SPACERS REQUIRED.
3. SEE SPECIFICATION MATERIAL LIST FOR APPROVED LIST OF SPACERS AND END SEALS.
4. ALL DIMENSIONS ARE IN MILLIMETRES OR METRES UNLESS OTHERWISE SHOWN.
5. DESIGN SHOP DRAWING REQUIRED SEALED BY A PROFESSIONAL ENGINEER LICENSED IN ONTARIO.
6. CASING LARGER THAN 510mm REQUIRES NON-SHRINK GROUT.
7. SITE SPECIFIC SHOP DRAWINGS REQUIRED AS PER CURRENT OCCUPATIONAL HEALTH AND SAFETY ACT.



CASING PIPE SPECIFICATION

OUTSIDE DIA.: _____
 INSIDE DIA.: _____
 WALL THICKNESS: _____
 PIPE SPECIFICATION: _____
 LENGTH: _____
 MATERIAL: _____
 CATHODIC PROTECTION: _____

CARRIER PIPE SPECIFICATION

INSIDE DIA.: _____
 WALL THICKNESS: _____
 PIPE SPECIFICATION: _____
 MATERIAL: _____
 OPER./MAX. PRESSURE: _____
 CATHODIC PROTECTION: _____

City of
BARRIE
 STANDARD DETAIL

**WATERMAIN CROSSING DETAIL -
 ROAD**

REV No. **1**
 DATE: FEB 2015
 SCALE: N.T.S.
BSD-522
 (PREVIOUSLY BSD-52)

APPROVED
 DATE *6 Feb 2015*
[Signature]
 DIRECTOR OF ENGINEERING